

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.-25. (Cancelled)

26. (Previously Presented) System according to Claim 44, wherein a probe is provided to supply oxygen to the mask interior.

27. (Previously Presented) System according to Claim 26, wherein an excess oxygen opening is provided in the probe.

28. (Previously Presented) System according to Claim 44, wherein openings are provided in the mask for gas exchange between the mask interior and outside air.

29.-43. (Cancelled)

44. (Previously Presented) System for determining carbon dioxide content of exhaled air, comprising

a mask surrounding a patient's mouth and nose;

a mask adapter configured to include an air tube connected with an interior portion of the mask to supply the exhaled air; and

a sensor adapter in which an analysis duct is arranged and which is detachably fitted on the mask adapter to operatively connect one end of the analysis duct with a small dead volume to the air tube in the mask adapter such that the exhaled air is acted upon only by a pressure causing characteristic flow in the air tube and the analysis duct, with the analysis duct always being open to outside air at another end thereof during a measurement operation of the carbon dioxide content of exhaled air;

a sensor detachably fastened to the sensor adapter for generating measuring signals proportional to the carbon dioxide content of the exhaled air in the analysis duct; and

an evaluation device which is connected to the sensor and has indicating devices.

45. (New) System according to Claim 44, wherein the sensor adapter includes a receiving device to which the sensor is adapted to be detachably fitted.